

# MANUFACTURING EXTENSION PARTNERSHIP

## Success Stories from the Field

### **Circuit Systems Co., Inc.**

Texas Manufacturing Assistance Center

### **Circuit Systems 'Jumps' with AS-9100**

#### **Client Profile:**

Circuit Systems Company, Inc. (CSC) is a family-owned business located in Arlington, Texas. Launched in 1983, CSC manufactures aerospace bonding jumper cables, bus bars and grounding straps used for lightening protection. The company's products are used in all commercial and military aircraft as well as many other aerospace applications including the new Lockheed F-22 and F-35, and the International Space Station. The company is only one of three U.S. manufacturers qualified to manufacture bonding jumpers for the Boeing Company. CSC employs 12 people.

#### **Situation:**

CSC already had a certified ISO 9000 Quality Management System (QMS) in place. However, when their largest customer mandated registration to the aerospace QMS AS-9100, they knew they needed to get on board. The deciding factor for CSC in selecting the Texas Manufacturing Assistance Center (TMAC), a NIST MEP network affiliate, to design and implement AS-9100 was their connection to The University of Texas at Arlington and its distinguished College of Engineering connection.

#### **Solution:**

TMAC and CSC worked together to determine quality objectives. Checklists for all procedures and records were mapped and current processes reviewed and rewritten. This included the receiving, inspection, work in process (WIP), ordering and traveler systems. Using a TMAC provided work instruction template, CSC integrated work instructions and document control for all aspects of their manufacturing and business processes including training records. All were modified to comply with the stringent requirements of AS-9100. Internal auditors were trained and the company was recommended for registration to the AS-9100 Aerospace QMS in July of 2007.

#### **Results:**

- \* Achieved AS-9100 certification.
- \* Increased sales by 12 percent.
- \* Invested \$15,000 in capital equipment
- \* Invested \$9,000 in workforce development.
- \* Surpassed on-time delivery goal of 95 percent.
- \* Created 3 new jobs.

#### **Testimonial:**

"Working with David Ross and the rest of the TMAC crew made this project an easy transition for Circuit Systems Company, Inc."

Patrick Kaler, General Manager

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